

## Electronic Acknowledgement Receipt

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|---|---|
| <b>EFS ID:</b>                              | 7649412                                 |
| <b>Application Number:</b>                  | 08113329                                |
| <b>International Application Number:</b>    |   |
| <b>Confirmation Number:</b>                 | 2828                                    |
| <b>Title of Invention:</b>                  | SIGNAL PROCESSING APPARATUS AND METHODS |
| <b>First Named Inventor/Applicant Name:</b> | JOHN C. HARVEY                          |
| <b>Customer Number:</b>                     | 70813                                   |
| <b>Filer:</b>                               | Carl L. Benson/Kathleen Fernandez       |
| <b>Filer Authorized By:</b>                 | Carl L. Benson                          |
| <b>Attorney Docket Number:</b>              | PMC-003C193                             |
| <b>Receipt Date:</b>                        | 20-MAY-2010                             |
| <b>Filing Date:</b>                         | 30-AUG-1993                             |
| <b>Time Stamp:</b>                          | 09:50:19                                |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)             |

### Payment information:

|  |                 |
|--|-----------------|
| Submitted with Payment                   | yes             |
| Payment Type                             | Deposit Account |
| Payment was successfully received in RAM | \$1510          |
| RAM confirmation Number                  | 8817            |
| Deposit Account                          | 504494          |
| Authorized User                          |                 |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

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**File Listing:**

| Document Number   | Document Description                           | File Name               | File Size(Bytes)/ Message Digest                     | Multi Part /.zip | Pages (if appl.) |
|---|--|-------------------------|--|------------------|------------------|
| 1   | Issue Fee Payment (PTO-85B)                    | HEAD_ISSUE_FEE.PDF      | 75954<br>ae1a312416e03d0752e081101048b644b1d6cb      | no               | 1                |
| Warnings:   |  |                         |  |                  |                  |
| The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing  |  |                         |  |                  |                  |
| Information:  |  |                         |  |                  |                  |
| 2   | Amendment after Notice of Allowance (Rule 312) | HEAD_AMENDMENT.pdf      | 190332<br>0b42cb7084c68ca071aef0234e27d2e815c133ba4  | no               | 21               |
| Warnings:   |  |                         |  |                  |                  |
| Information:  |  |                         |  |                  |                  |
| 3   | Issue Fee Payment (PTO-85B)                    | FINALDOCUMENTJULY22.pdf | 11231480<br>d3e113a748c98d246165c07b1d9f2e0a560e78e9 | no               | 289              |
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| Information:  |  |                         |  |                  |                  |
| 4   | Fee Worksheet (PTO-875)                        | fee-info.pdf            | 30115<br>7308513d3b4617953f1d4d33d3bae866a044d566    | no               | 2                |
| Warnings:   |  |                         |  |                  |                  |
| Information:  |  |                         |  |                  |                  |
| Total Files Size (in bytes):  |  |                         | 11527881   |                  |                  |
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| New Applications Under 35 U.S.C. 111<br>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.  |  |                         |  |                  |                  |
| National Stage of an International Application under 35 U.S.C. 371<br>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.  |  |                         |  |                  |                  |
| New International Application Filed with the USPTO as a Receiving Office<br>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application. |  |                         |  |                  |                  |